

Attorney Docket No.: **BERN-0040**
Inventors: **Bernstein et al.**
Serial No.: **09/913,697**
Filing Date: **January 28, 2002**
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

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Claim 1 (currently amended): A method of protecting humans exposed to sunlight against photoaging, sunburn and skin cancer comprising topically applying to skin of a human a composition comprising alpha 1-antitrypsin in milk or a serpin with alpha 1-antitrypsin like activity in milk in an amount effective to protect the skin against photoaging, sun burn and skin cancer.

Claim 2 (currently amended): The method of claim 1 wherein the composition comprises alpha 1-antitrypsin in milk.

Claim 3 (previously amended): The method of claim 1 wherein the composition is applied prior to exposure of the skin to sunlight.

Claim 4 (previously amended): The method of claim 1 wherein the composition is applied subsequent to exposure of the skin to sunlight.

Claim 5 (currently amended): A method of protecting individuals with a heightened sensitivity to the sun from damage resulting from the sun comprising topically applying to the skin of an individual with a heightened sensitivity to the sun a composition comprising alpha 1-antitrypsin in milk or a serpin with

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alpha 1-antitrypsin like activity in milk prior to exposure of the individual to the sun.

Claim 6 (currently amended): The method of claim 5 wherein the composition comprises alpha 1-antitrypsin in milk.

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Cont.
Claim 7 (canceled)

Claim 8 (currently amended): A pharmaceutical composition for prevention of photoaging and other sun-damage comprising alpha 1-antitrypsin in milk or a serpin with alpha 1-antitrypsin like activity in milk, a second sunscreen or free radical scavenger, and a pharmaceutical additive.

Claims 9-10 (canceled)
